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IN THE CLAIMS

1. (Withdrawn) A method for forming a data storage media, comprising:
injection molding a substrate comprising a plastic surface and a preformed core, wherein the plastic surface comprises surface features, wherein said surface features have greater than about 90% of a surface feature replication of an original master; and
disposing a data layer over at least one surface of said substrate;
wherein said data storage media has an axial displacement peak of less than about 500 μ under shock or vibration excitation when excited by a 1 G sinusoidal loading.
2. (Withdrawn) The method of Claim 1, wherein said core comprises a material selected from the group consisting of metal, glass, ceramic, metal-matrix composite, and alloys and combinations comprising at least one of the foregoing materials.
3. (Withdrawn) The method of Claim 2, wherein said material comprises aluminum.
4. (Cancelled)
5. (Withdrawn) The method of Claim 1, wherein said core further comprises a varied thickness.
6. (Withdrawn) The method of Claim 1, wherein said core further comprises a cross-sectional geometry selected from the group consisting of concave, convex, tapered, and combinations comprising at least one of the foregoing core geometries.
7. (Withdrawn) The method of Claim 1, wherein said core further comprises a core outer diameter substantially equal to a substrate outer diameter.
8. (Withdrawn) The method of Claim 1, wherein said core further comprises a geometry selected from the group consisting of a radial arm, a ring, star-like, and combinations comprising at least one of the foregoing geometries.

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9. (Withdrawn) The method of Claim 1, wherein said core further comprises at least one hollow cavity.

10. (Withdrawn) The method of Claim 1, wherein said core further comprises at least one filled cavity.

11. (Withdrawn) The method of Claim 10, wherein said filled cavity comprises a material selected from the group consisting of glass, foams, carbon, metals, ceramics, thermoplastics, thermosets, rubbers, others and composites, alloys, and combinations comprising at least one of the foregoing materials.

12. (Cancelled)

13. (Withdrawn) The method of Claim 1, further comprising reinforcing said substrate with a material selected from the group consisting of glass, foams, carbon, metals, ceramics, thermoplastics, thermosets, rubbers, and composites, alloys, and combinations comprising at least one of the foregoing materials.

14. (Withdrawn) The method of Claim 1, wherein said data layer has a coercivity of greater than about 1,500 oersted.

15. (Withdrawn) The method of Claim 14, wherein said coercivity is greater than about 3,000 oersted.

16. (Withdrawn) The method of Claim 1, wherein the plastic surface comprises a thermoplastic.

17. (Withdrawn) The method of Claim 1, wherein the plastic surface comprises a thermoset.

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18. (Currently Amended) A method for forming a data storage medium, comprising:
injection molding a substrate comprising a plastic surface and a preformed core, wherein the plastic surface comprises surface features, wherein said surface features have greater than about 90% of a surface feature replication of an original master; and

disposing a reflective layer on at least one surface of the substrate;

wherein said data storage medium has an axial displacement peak of less than about 500μ under shock or vibration excitation when excited by a 1 G sinusoidal loading.

19. (Previously Presented) The method of Claim 18, wherein said core comprises a material selected from the group consisting of metal, glass, ceramic, metal-matrix composite, and alloys and combinations comprising at least one of the foregoing materials.

20. (Previously Presented) The method of Claim 18, wherein the plastic surface comprises a thermoset.

21. (Previously Presented) The method of Claim 18, wherein the plastic surface comprises a polystyrene and comprises a material selected from the group consisting of polyphenylene ether, blends comprising polyphenylene ether, copolymers comprising polyphenylene ether, mixtures comprising polyphenylene ether, reaction products comprising polyphenylene ether, and composites comprising polyphenylene ether.

22. (Previously Presented) The method of Claim 18, further comprising disposing a thermoset coating on a side of the plastic surface opposite the core.

23. (Previously Presented) The method of Claim 18, wherein the storage medium has a thickness of up to about 1.2 mm.

24. (Previously Presented) The method of Claim 23, wherein the thickness is about 0.8 mm to about 1.2 mm.